

REMARKS

Responsive to the requirement for submission of a substitute Sequence Listing, imposed in the communication mailed on March 31, 2004, the same is provided herewith, attached to the present amendment, in paper and disk formats. Applicants hereby state that the attached paper and computer readable copies have the same content, and introduce no new matter into the present application.

In this regard, the specification has been amended so it is commensurate with the submission of the present Sequence Listing.

The communication requested that the sequence identification numbers be referred to on a consistent basis. In accordance with the Examiner's suggestion, the sequence identification numbers are consistently referred to as "SEQ ID NO." In the present application. As to the probe on page 11, applicants note that the amendment filed on June 10, 2002 amends the specification so that the probe is identified as "SEQ ID NO. 2". Pursuant to MPEP §2421.02, applicants believe that all unbranched nucleotide sequences with 10 or more bases in all unbranched, non-d amino acid sequences with four or more amino acids have been described in the enclosed Sequence Listing.

As a result, it is believed that the above-identified application complies with the requirements for patent

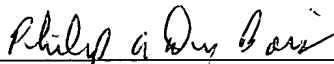
applications containing nucleotide sequences and/or amino acid sequence disclosures.

Favorable consideration of this application is respectfully requested.

The Commissioner is hereby authorized in this, concurrent, and future replies, to charge payment or credit any overpayment to Deposit Account No. 25-0120 for any additional fees required under 37 C.F.R. § 1.16 or under 37 C.F.R. § 1.17.

Respectfully submitted,

YOUNG & THOMPSON


Philip A. DuBois, Reg. No. 50,696
745 South 23rd Street
Arlington, VA 22202
Telephone (703) 521-2297
Telefax (703) 685-0573
(703) 979-4709

PD/fb